



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0728/S-96, REVISION 0**

400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X1040 (Manufactured on or after November 11, 1992).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 15.0 mm (0.6 in.) in diameter and 10.2 mm (0.4 in.) in length. Minimum wall thickness is 0.2 mm (0.008 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc Drawing No. RBA61319, Rev. A.
3. Radioactive Contents - No more than 44.4 GBq (1.2 Ci) of Americium-241. The Am-241 is in the form of an oxide incorporated into a ceramic matrix.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on February 28, 2011.

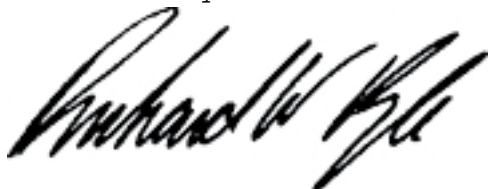
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the January 13, 2006 petition by QSA Global, Inc., Burlington, MA and in consideration of other information on file in this Office.

Certified By:



Feb 02 2006

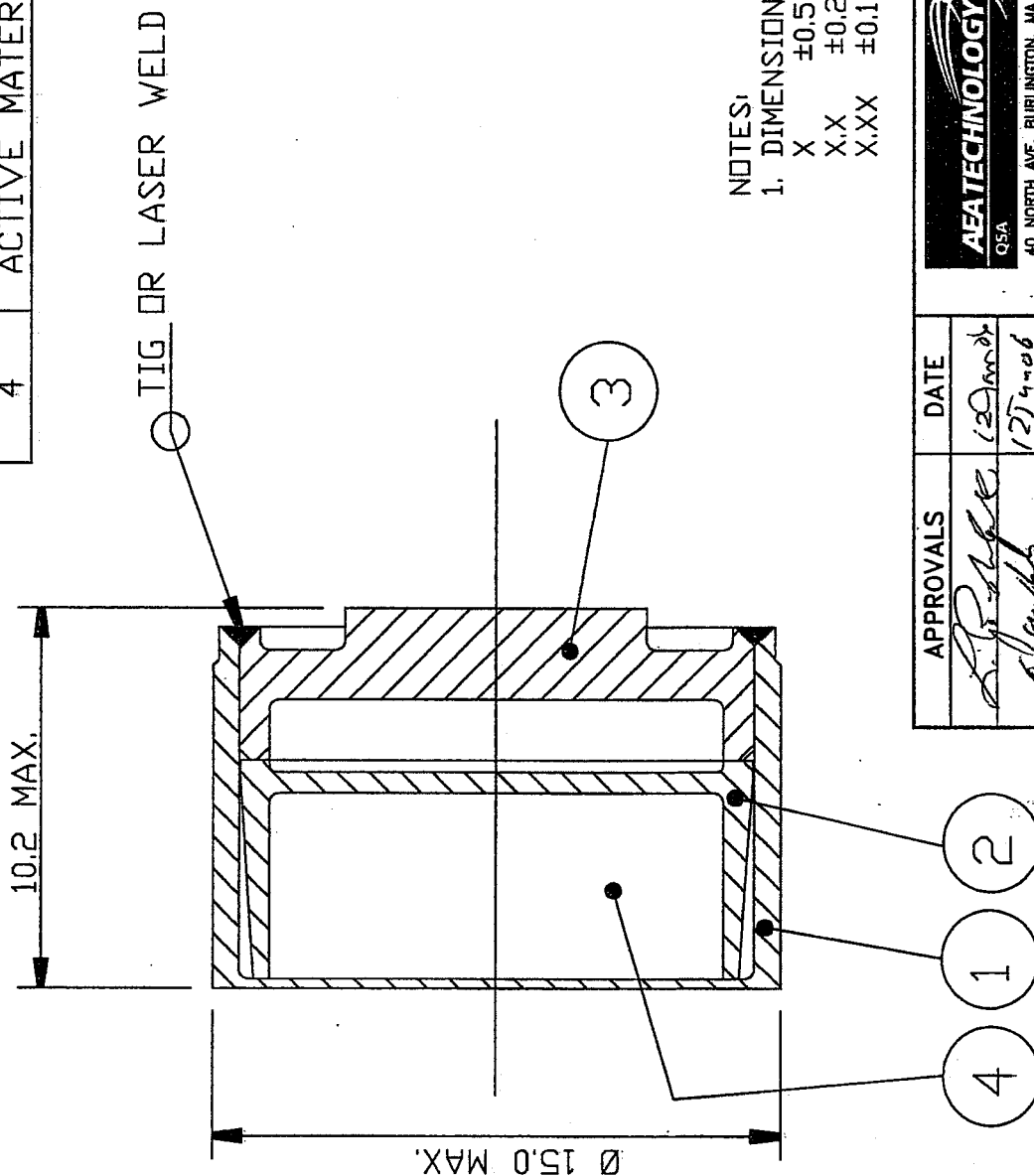
(DATE)

 Robert A. McGuire

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

Item No	Description	QTY
1	BODY STAINLESS STEEL	1
2	INSERT STAINLESS STEEL	1
3	LID STAINLESS STEEL	1
4	ACTIVE MATERIAL	—



NOTES:
 1. DIMENSIONS ARE IN mm.
 X ±0.5
 X.X ±0.2
 X.XX ±0.10

APPROVALS	DATE
<i>[Signature]</i>	12/20/06
<i>[Signature]</i>	12/24/06



DESCRIPTIVE
DRAWING

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS IN INCHES
 TOLERANCES:
 FRACTIONS ± 1/8
 X.X ± 0.12
 X.XX ± 0.06
 X.XXX ± 0.020

TITLE X1040 CAPSULE ASSEMBLY

ERF # 1205

SIZE	DWG. NO.	REV
A	RBA61319	A
	SCALE: 5:1	SHEET 1 OF 1